

**SPECIAL CONDITIONS:**  
**Portland Cement Concrete and Asphalt Concrete Work**

The following conditions are made a part of the *Permit for Construction in a Public Street*, as applicable:

I. GENERAL

1. All portland cement concrete and asphalt concrete work shall be performed in accordance with the City of Palo Alto, Department of Public Works, Standard Drawings & Specifications (most recent edition) hereinafter referred to as the City Standard Specifications.
2. At no location shall the work be left partially completed for more than seven working days.
3. Contractor shall protect open excavations and trenches with fences, covers and railings as required, together with signs, lights and other warning devices sufficient to maintain safe pedestrian, bicycle and vehicular traffic to the satisfaction of the Public Works Inspector\*. The edge of any plating shall be ramped with temporary asphalt at a 12:1 maximum slope.
4. Any street tree root removal must have the prior approval of the City Arborist (650/496-6905).
5. The cleaning of equipment in the public right-of-way, on public property or down storm drains is expressly prohibited.
6. The use of amplified music or other sound in the work area is not permitted during the performance of the work in this permit.

II. PORTLAND CEMENT CONCRETE WORK

1. All portland cement concrete work shall be performed in accordance with Section 16 of the City Standard Specifications.
2. All concrete walks, curb/gutters or drives to be removed shall be sawcut full depth at existing score marks or as directed by the City Public Works Inspector\*.
3. All concrete shall be placed against existing sawcut concrete or nominal 2x thick wood forms. If a gutter exists, six inches of AC will have to be removed at the lip of gutter for the placement of these forms. *No concrete shall be placed against asphalt or spalled/broken concrete.*
4. Concrete streets and valley gutters shall be constructed of Class 2 Concrete. Concrete curbs, gutters, sidewalks, driveways and curb ramps shall be constructed of Minor Concrete.
5. Class 2 concrete shall contain a minimum six (6) sacks of Type II Modified cement per cubic yard with a maximum of 6 gallons of water per sack. The aggregate shall be 3/4" Combined Aggregate Gradation per Caltrans Section 90. The concrete shall have a slump of 4" or less and shall provide a minimum compressive strength of 3500 psi at 28 days.
6. Minor Concrete shall contain a minimum five (5) sacks of Type II Modified cement per cubic yard with a maximum of 7 gallons of water per sack. The aggregate shall be 3/4" Combined Aggregate Gradation per Caltrans Section 90. The concrete shall have a slump of 4" or less and shall provide a minimum compressive strength of 2500 psi at 28 days.
7. Two pints of liquid lampblack shall be added per cubic yard of concrete. Lampblack shall be omitted from island and median concrete, and from any concrete pavement scheduled to receive asphalt concrete overlay. In the Barron Park district four pints of liquid lampblack shall be added per cubic yard of concrete.

\*PW Inspector (650) 496-6929

8. If the drive apron/sidewalk or curb/gutter/sidewalk is to be installed, they should be installed monolithically whenever possible.
9. The Contractor shall notify the Public Works Inspector\* prior to the placing of any concrete.
10. The finish of new concrete shall be a medium broom, or match adjacent concrete, as approved by the Public Works Inspector.
11. All trenches in the sidewalk area shall be backfilled as per City of Palo Alto Standard Specifications.
12. All form work is to be removed and replaced with the appropriate restorative material.
13. All new and existing utility boxes/vaults shall be adjusted to proper grade per Section 14 of the City Standard Specifications. This work shall be done at the Permittee's expense.
14. Concrete for sidewalks, drive aprons, curb/gutters, handicap ramps and road base shall be doweled into adjacent existing concrete at 2' on center. Use 12" long #4 deformed reinforcing bars where new concrete forms cold joints with existing. Use smooth dowels with slip caps at felt filled expansion joints. Dowels are not required along cold joints at building foundations, underground structures and utility vaults etc unless shown on the approved drawings or specifically so directed by the engineer.
15. The Permittee shall stamp the appropriate letter or symbol of any existing utility laterals that exist underneath the replaced curb/sidewalk. The letters shall be 2" in size and placed in a manner acceptable to the Public Works Inspector.
16. The Permittee is responsible for replacing any concrete that is damaged or otherwise marked up prior to the curing of the concrete.
17. The Permittee is not permitted to place any stamp or other marking indicating the Permittee's name or other advertising.

### III. ASPHALT CONCRETE WORK

1. All asphalt concrete work shall be performed in accordance with Section 13 of the City Standard Specifications.
2. All permanent asphalt restoration and/or new work shall be a hot mix Type B and shall be of the thickness as shown on the Drawings, unless otherwise directed by the Public Works Inspector\*. Asphalt concrete aggregate grading shall be the following:

AC Layer	Aggregate Grading
Surface Course (Pavement)	1/2" maximum, medium
Surface & Base Course (Patches & Trenches)	3/8" maximum
Base Course	3/4" maximum, medium

3. New street construction or large area street reconstruction with asphalt pavement specified to be 3" or more in compacted thickness shall be done in a minimum of two lifts. The surface course asphalt concrete shall be installed a minimum 1" thick. The base course(s) shall be installed a maximum of 3" thick.
4. The Contractor shall notify the Public Works Inspector\* prior to the placing of any asphalt concrete.

\*PW Inspector (650) 496-6929